

CLAIMS

1. Printable material with adjustable biodegradability, usable particularly for the production of  
5 horticultural containers and/or over-packaging for containers, characterized in that it comprises a mixture of polycaprolactone and polystyrene, including a vegetable load.

10 2. Printable material with adjustable biodegradability according to claim 1, characterized in that the mixture comprises 50 to 70% by weight of polycaprolactone and 50 to 30% of polystyrene, the vegetable load varying from 15 to 50% by weight of the whole.

15 3. Printable material with adjustable biodegradability, according to claim 1 or 2, characterized in that the vegetable load is 30% by weight of the whole.

20 4. Printable material with adjustable biodegradability, according to claim 1, 2 or 3, characterized in that the vegetable load is selected from wheat and/or corn and/or cellulose.

25 5. Printable material with adjustable biodegradability, according to any one of the preceding claims, characterized in that the mixture comprises 60% by weight of polycaprolactone and 40% of polystyrene, the vegetable load being 30% by weight of the whole.

30 6. Printable material with adjustable biodegradability, according to claim 5, characterized in

that it incorporates a biodegradable plastifier selected from vegetable oils and their derivatives, ethyl ester of colza or oleic acid.

5        7. Process for the production of a sheet of material according to any one of the preceding claims, characterized in that the obtained material is calandered.

10        8. Horticultural container or over-packaging for printable containers with adjustable biodegradability, made from a material according to one of claims 1 to 6, from a calandered sheet, for cutting out, folding and gluing.

15        9. Process for the production of a horticultural container and/or an over-packaging with adjustable biodegradability while maintaining printability using the material according to any one of claims 1 to 6, characterized in that the quantity and nature of the vegetable load are varied so as to adjust the 20 biodegradability, with substantially constant mechanical parameters.

25        10. Process for the production of a horticultural container and/or an over-packaging for containers, with adjustable biodegradability whilst preserving printability, characterized in that there is used a polycaprolactone of a molecular weight comprised between 6500 and 6800.